FHWA REGION NO.	STATE	FED. AD PROJ. NO.	SHEET NO.	TOTAL SHEETS	1.
3	MD				

EQUIPMENT LIST

Specification Section

Description

Furnish and install concrete for

Furnish and install ground rod - 3/4 in. diameter x 10 ft.

schedule 80 rigid PVC conduit -

Furnish and install 3 in. schedule 80 rigid PVC conduit -

Furnish and install 3 in. schedule 80 rigid PVC conduit –

Furnish and install 2 in. schedule 80 rigid PVC conduit –

Furnish and install 1 in. liquid

tight flexible non-metallic conduit for detector wire

Furnish and install 250 Watt high pressure sodium lamp and

Furnish and install control and

Furnish and install No. 6 AWG

Furnish and install electrical cable 1- conductor No. 4 AWG - THHN/THWN

Furnish and install electrical cable – 2 conductor (Aluminum shielded).

Furnish and install electrical cable – 5 conductor (No. 14 AWG).

Furnish and install electrical

standard bare copper ground

luminaire with photo cell

distribution equipment.

Furnish and install 4 in.

signal foundation.

Trenched.

Trenched.

trenched.

sleeve.

wire.

B. Equipment to be furnished and/or installed by the Contractor.

801

805

806

Item No. Quantity Units

410

1400

3400

3300

CY

EΑ

LF

LF

LF

LF

LF

ĒΑ

EΑ

LF

LF

LF

LF

LF

This portion of the project involves the installation of a traffic control signal with intersection street lighting at the intersection of MD 108 and Snowden River Parkway. MD 108 is assumed to run in an east-west direction.

II. Intersection Operation

I. General

This intersection is proposed to operate in a fully actuated mode with MD 108 westbound and eastbound left turn lanes operating in an exclusive/permissive phase. Northbound / southbound Snowden River Parkway left turns shall operate in an exclusive phase each. Northbound and Southbound Snowden River Parkway shall operate concurrently.

PROJECT DESCRIPTION

A NEMA (8 phase) fully actuated controller housed in a base mounted cabinet with four – 4 channel track mounted loop detector amplifiers shall be installed at this location.

III. Special Notes

The following contact persons for District #7 are as follows:

10110#44	
Mr.Robert Fisher District Engineer (301)694–2145	Mr. John Concannon Asst. District Engineer – Traffic (301)694–2592
Mr. Jim Brown Utility Engineer (301)694–2025	Mr. Richard Daff Chief, Traffic Operations Division (410)787—7630

Mr. Leon King . Asst. District Engineer - Maintenance (301) 694-1966

2. Maintenance of traffic will be handled by the contractor utilizing the following standard plates for traffic control: 105.00, 105.01, 105.02, 105.03, 105.03, 105.101, 105.103, 105.105, 105.107, 105.109

EQUIPMENT LIST

A. Equipment to be supplied by the Administration

			Specifica	tion			3300	LF	810	rurnish and install electrical cable - 7 conductor (No. 14
Item No.	Quantity	Units	Sect	ion	Description					AWG).
	6	EA	814	12 in. 1 signal h	way 3 section (R,Y,G) ead — mast arm mount.		4200	LF	810	Furnish and install loop wire encased in flexible tubing (No. 14 AWG).
	4	EA	814		way 4 section (RA,YA,GA) ead — mast arm mount.		510	LF	810	Furnish and install 2 – conductor – Tray cable (No. 12 AWG).
	2	EA	814	12 in. 1 (R,Y,G,Y arm moun	way 5 section A,GA) signal head — mast t.		15	EA	811	Furnish and install electrical handhole.
	2	EA	814	Combinat section	ion 8 in./12 in. 1 way 5 (8 in. R,Y,G /12 in.		128	SF	813	Install overhead sign - for signals.
					signal head – mast arm		178	SF	813	Install ground mounted sign
	1	EA	816	controll	ase (fully actuated er and cabinet) with systems — base mount		14	EA	814	Install signal head – mast arm mount.
	4	EA	XXX		nnel loop detector r(delayed output)		1700	LF	815	Furnish and install saw cut for signal.
30	6)	SF	813	Sheet all consisti	uminum signs ng of:		1	EA	816	Install eight phase (fully actuated) controller and cabinet – base mount.
,		2	EA	XXX	R10-12, (36 in. x 42 in.)"Left Turn Yield on Green",-mast arm mount.		2	EA	829	Furnish and install a 27 ft steel pole with a 50 ft mast arm (Note: Four – 2 in. x 90 in. anchor bolts).
		4	EA	XXX	D3-2 (var x 16 in.) "SNOWDEN RIVER PKWY" sign - mast arm mount		1	EA	829	Furnish and install 27 ft steel pole with 70 ft mast arm (Note: Four - 2 in, x 90 in, anchor
		4	EA	XXX	D3-2 (var x 16 in.) "WATERLOO RD" sign — mast arm mount					bolts.
		4	EA	XXX	Guide shield assembly 2-EA(30"x 51") 2-EA(48"x75") Ground mount		1	EA	829	Furnish and install 27 ft steel pole with 38 ft mast arm (Note: Four – 1 1/4 in. x 90 in. anchor bolts.
		4	EA	XXX	W3-3, (36 in, x 36 in.) ground mount		2	EA	818	Furnish and install 20 ft lighting arm on signal structure
		4	EA	XXX	R1-2 (36 in. x 36 in. x 36 in.) "YIELD" sign - ground mount	•	1	LS	XXX	Removal and disposal of existing materials.
		2	EA	xxx	R4-7 (24 in. x 30 in.)		120	LF	812	Furnish and install 4 in. x 6 in. wood post drilled.
					"KEEP RIGHT of MEDIAN" sign - ground mount		2	EA	xxx	Furinsh and Install microloop probe set with 1000 ft. Lead-in.
		3	EA	XXX	R3-5 (30 in. x 36 in.) "ONLY" sign — mast arm mount					

anchor					
27 ft steel arm (Note:) in, anchor					
20 ft 31 structure	REVISIONS	APPROVALS	MARYLAND DOT - STATE HIGHWAY ADMINISTRATION		
of existing		ACCT DIVICION OFFICE TEOD	Office of Traffic & Safety		
in. x 6	TRAFFIC ENGINEERING DESIGN DI				
nicroloop H. Lead-in.		ASST. DISTRICT ENGINEER, TRAFFIC	MD 108 AT SNOWDEN RIVER PARKWAY GENERAL INFORMATION SHEET 2 OF 2		
	REDLINE NO.6 SHEET REPLACEMENT	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	DATE 6 / /98		
CONSULTING ENGINEERS	DMP 813(58	The state of the s	DRAWN BY: R CICCHINI F.A.P. NO. SEE TITLE SHEET PLAN CHECK BY: D PETERS S.H.A. NO. H0-661-504-770 SHEET NO.: SHEET NO.		
COLUMBIA, MARYLAND		DIRECTOR, OFFICE OF TRAFFIC & SAFETY	SCALE: NTS COUNTY HOWARD 351.1 of 441		